



DATAMEC®

Dependable Computer Magnetic Tape Units

Economic feasibility is the key to attainment of electronic data processing's full potentials. Datamec pledges continued efforts to serve this end by providing electromechanical devices that are **superior in reliability, lower in cost** and **completely compatible** with the latest computers and data systems.

In keeping with this premise, Datamec Computer Tape Units and Multiple Tape Unit Systems offer new economies for computers and other EDP systems which previously required higher cost tape units. They introduce magnetic tape input/output to applications where it formerly could not be justified. Datamec offers packaged tape units (or multi-unit tape systems) — matched to your

computer. Their many field-proven advantages include higher up-time ratio, greater tape life, superior data reliability and lower maintenance cost, in addition to initial savings in hardware investment.

Datamec is gratified that its products have set new industry standards, facilitating the spread of data acquisition and processing techniques into many new fields. We base our research and development philosophy on the belief there should be no further delay in exploring uncharted EDP areas. This pioneering spirit, combined with keen awareness of the EDP industry's complexities, prompts us to seek your most challenging assignments.

Datamec D 2020...high reliability/low cost

New industry standards for all-around economy—lower initial cost, reduced maintenance expense, maximum up-time and higher reliability—have been established by the **D 2020** series of computer magnetic tape units from Datamec.

A systems-oriented line starting with the basic tape transport, the **D 2020** series offers a variety of standard options in heads, data electronics, controls and cabinetry for greatest value plus facility of interfacing. All standard units are IBM compatible, using the 200, 556 and 800 characters-per-inch tape formats at 45 inches-per-second tape speed. Units operating at lower tape speeds, as well as two-speed units, also are supplied as standard configurations. For added savings, **D 2020** multi-unit tape systems incorporate solid-state electronic switching of data and control signals to the tape unit selected by the computer.

DESIGNED FOR RELIABILITY . . .

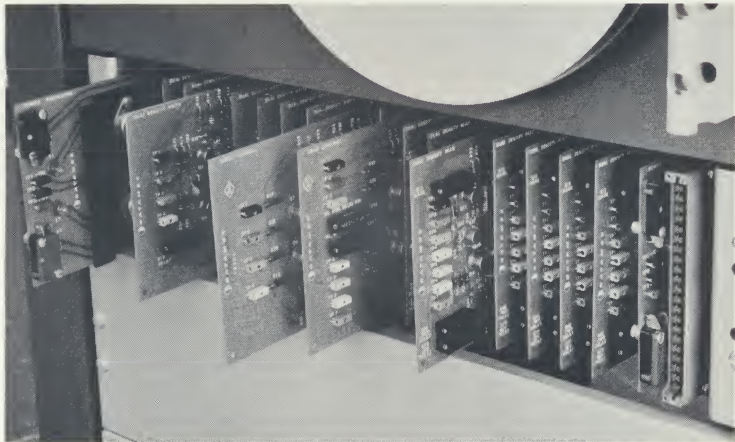
The **D 2020** user is assured maximum dependability for day-in, day-out performance. These tape units meet the most rigorous demands: continuous operation by non-technical personnel, continuous operation under command of automatic control, continuous operation with minimum maintenance. Everywhere you look in the **D 2020** are features responsible for this superior reliability: vacuum column tape buffering . . . all-solid-state electronics . . . short unsupported tape spans . . . vacuum tape cleaners in the head assemblies . . . and many, many more.

DESIGNED FOR ECONOMY . . .

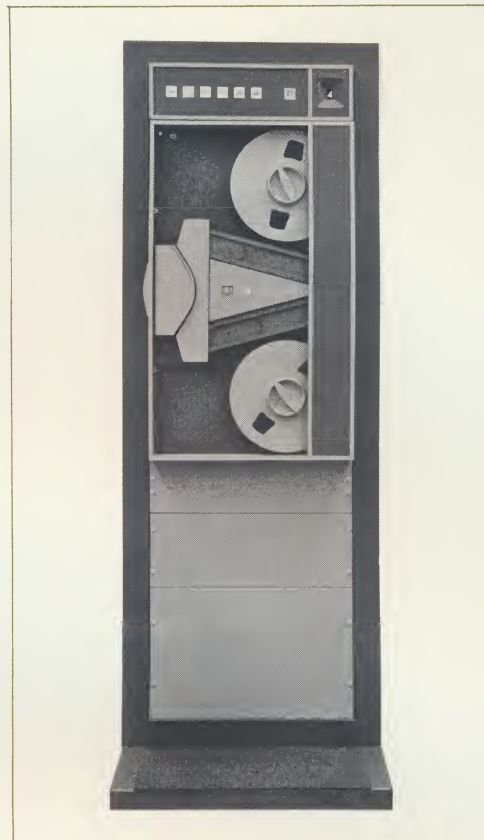
The industry's leading team of computer tape unit engineers designed the **D 2020** to operate at a tape speed of 45 ips, writing and reading tapes in the 200, 556 and 800 cpi IBM formats. Hence they could engineer it for greatest economy as well as highest reliability. Epitomizing simplicity, the **D 2020** offers new lows in initial hardware cost. Equally important to the user, however, is maintenance cost, both scheduled and emergency. And the **D 2020** shatters all records for up-time and minimum maintenance requirements.

DESIGNED FOR PRACTICALITY . . .

The **D 2020** is an attractively-priced unit for computer and off-line applications where moderate speed performance is highly practical. It readily becomes an integral part of any computer system, providing a transfer rate as high as 36,000 characters per second.



D 2020 Data Electronics



D 2020 Triple Density Tape Unit

TAPE SPEED	45 ips, forward and reverse
REELS	10½" diameter; ½" tape; IBM type
START TIME	5 ms, bi-directional
STOP TIME	1½ ms, bi-directional
REWIND	Less than 3 minutes
TRANSFER RATES	200 cpi: 9,000 cps 556 cpi: 25,000 cps 800 cpi: 36,000 cps

STANDARD UNITS

D 2020 tape units are furnished from standard production with any combination of the following operating characteristics:

Function

Write-Read Tape Unit
Read Only Tape Unit
Write Only Tape Unit (low density only)

Recording Densities

Low Density: 200 cpi
Dual Density: 200 and 556 cpi
Triple Density: 200, 556 and 800 cpi

Tape Speed

Any single tape speed from 45 ips to 1 ips

DUAL SPEED UNITS

Furnished at any two tape speeds between 45 ips and 1 ips having 10:1 or lesser ratio. Dual speed D 2020 tape units are described in Datamec Bulletin Form 108.

MULTIPLE TAPE UNIT SYSTEMS

Datamec D 2020 master-slave tape unit systems provide highest economy and reliability by solid-state electronic switching of data and control signals to the tape unit selected by the computer. The D 2020 electronic switching systems are described in Datamec Bulletin Form 109.

D 3030...another great dependable from Datamec

Presenting the handsome new **D 3030** series of computer magnetic tape units. Engineered specially for the major computer market and its medium speed requirements.

Like the famous Datamec **D 2020**, which has set new industry standards for low-cost operation, the new **D 3030** offers unprecedented **economy** and **reliability** for heavy duty, on-line use with digital computers and other digital EDP systems requiring higher data transfer rates. Experience, broadest in the industry, lies behind every design feature of the **D 3030**. That's why the user knows he'll get lowest cost performance plus trouble-free operation, day after day after day.

HIGH TRANSFER RATES

The **D 3030** reads and writes all three density formats (800, 556 and 200 characters per inch) at 75 inches-per-second tape speed. Data transfer rates are 60,000, 41,700 and 15,000 characters per second.

MORE USER CONVENIENCE

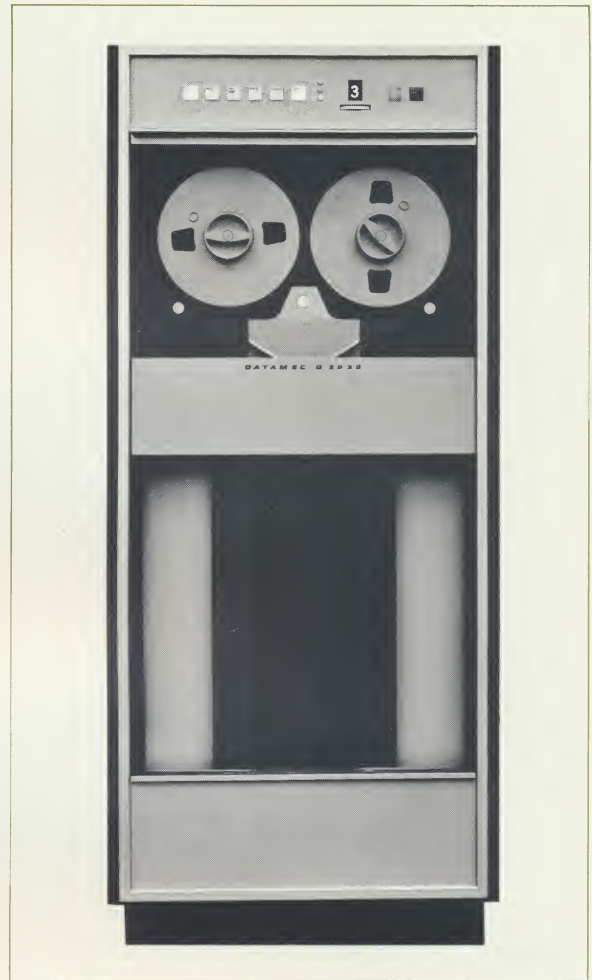
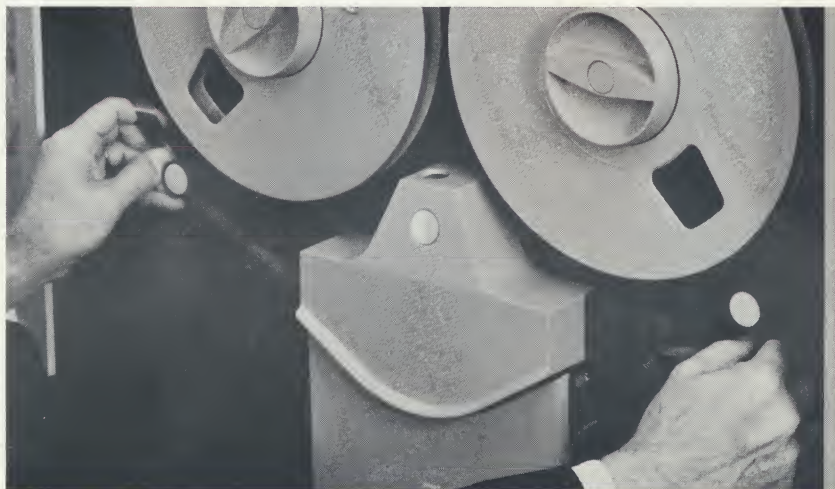
Threading the **D 3030** is fast, effortless and nearly automatic. No special tape leaders needed. The rotary, positive stop, self-seating reel hold down makes loading/unloading unbelievably easy.

REAL BEAUTY OUT FRONT

The **D 3030** enhances the appearance of any computer installation. All eyes are just naturally attracted to the clean, modern, striking lines of this handsome tape unit. Equally good looking around in back, too!

TOTAL ECONOMY

Initial cost of the **D 3030** is lowest in the medium speed class. And maintenance expense, both routine and corrective, shatters old accepted minimums. Freed of service problems, the customer gets **complete satisfaction** in all ways from the **D 3030**.



D 3030 Triple Density Tape Unit

TAPE SPEED	75 ips, forward and reverse
REELS	10½" diameter; ½" tape; IBM type
START TIME	5 ms, bi-directional
STOP TIME	2 ms, bi-directional
REWIND	Less than 3 minutes
TRANSFER RATES	800 cpi: 60,000 cps 556 cpi: 41,700 cps 200 cpi: 15,000 cps

THE PRODUCT SERIES

D 3030 Tape Units and **D 3030** Base Units for writing and reading seven-track IBM format computer tapes are described in this bulletin.

D 3030 Master Tape Units with electronic switchers are described in Datamec Bulletin Form 114.

All products in the **D 3030** series are immediately available using the nine-track, IBM Series 360 tape format. Alternately, the units described in this bulletin may, at small extra cost, include provision for later conversion to the nine-track tape format by exchanging the head assembly and adding plug-in data electronics cards. These model variations are described in Datamec Bulletin Form 115.

D 2030 | Plug-in Savings D 3029 | on your Computer Operating Costs

ECONOMICAL IBM-INTERCHANGEABLE TAPE UNITS

Here is the opportunity to reduce your overhead costs of computer operation and effect a direct saving of profit dollars.

The new **D 2030** and **D 3029** computer magnetic tape units from Datamec are **direct plug-in interchangeable** with the IBM 7330 and IBM 729-II and 729-V, respectively.

For the first time you can now get digital tape units with field-proven dependability to replace higher cost equipment for "on line" use with IBM computers.

Use these tape units all three shifts without overtime charges. Datamec's lower monthly leases are available with or without maintenance contracts.

If you prefer purchase, you'll also like the lower Datamec prices.

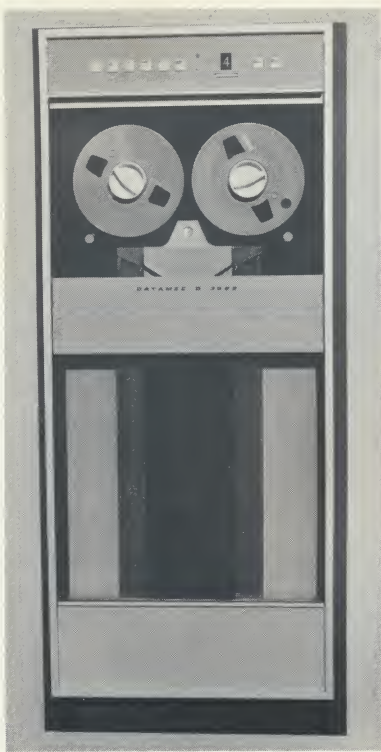
Performance characteristics, data rates,

electrical inputs and outputs, the physical plug connectors—everything, in fact, about these Datamec tape units matches the unit they supplant. Except, of course, the costs.

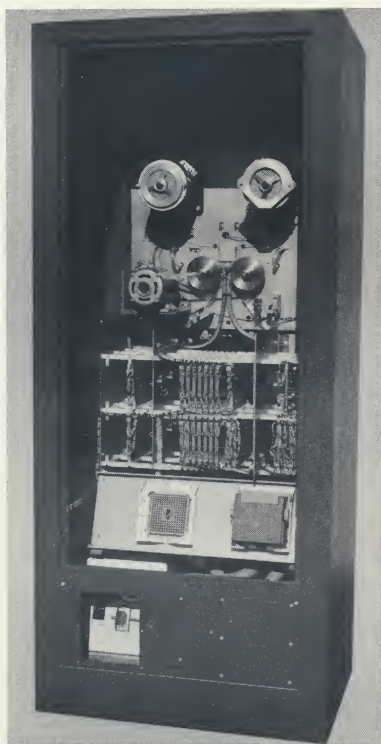
In addition, your computer operators will like the extra convenience and reliability of the Datamec equipment. Threading is nearly automatic. And these tape units go on running perfectly, day after day after day.

Whether you lease or purchase your EDP equipment, you can't make a better money-saving move than to investigate the new **D 2030** and **D 3029** tape units.

Ask your nearby Datamec representative for all the facts. Selling prices. Lease rates. Performance warranty. Service program. He's your guide to Economical Data Processing.



*Datamec D 3029 Tape Unit
Interchangeable with IBM 729-II
and 729-V*



*Rear view of Datamec D 3029
Tape Unit*



D 2030 Installation

Photo courtesy Lockheed Missiles & Space Company



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345 MIDDLEFIELD ROAD MOUNTAIN VIEW, CALIFORNIA (415) 968-7291 TWX (910) 979-6441



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Name _____
Title _____
Firm _____
City _____
State _____ Zip _____
Mail Stop _____ Phone _____ Ext. _____

THANK YOU for your interest in **Datamec** products.
The information you requested is enclosed. We hope it
will be helpful.

In order to serve you better, we would appreciate your
completing the form below and returning this card. No
postage stamp needed.

T. NELSON, SYSTEMS CONSULTANT
Box 1546
POUGHKEEPSIE, NEW YORK 12603

- ☐ My name and address are correct as typed in the space
at right above.
- ☐ You goofed. I have indicated (in the space at left above)
the correct listing, including title, phone extension, mail
stop number and zip code.

I need additional information about

- ☐ The D 2020 Computer Magnetic Tape Unit
☐ The D 3030 Computer Magnetic Tape Unit
☐ The D 2030 Computer Magnetic Tape Unit
☐ The D 3029 Computer Magnetic Tape Unit

Ask your representative to call

- ☐ As soon as possible. ☐ Within 60 days.
- ☐ Keep my name on your mailing list so I can continue to
get latest information about your product developments.

Comments on equipment requirements _____

Datamec action _____

My inquiry is for

- ☐ A current application requirement.
- ☐ General purpose computer.
- ☐ Data acquisition system.
- ☐ Process control system.
- ☐ A possible future application.
- ☐ Technical reference file.

Our requirement involves

- ☐ New equipment or system design.
- ☐ Modification or redesign of existing
equipment or system.
- ☐ Evaluation of new system techniques.
- ☐ We manufacture equipment and/or systems.
- ☐ We are computer users.

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